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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/890,641	07/31/2001	Bryan Jerrel Busropan	01443/LH	5236

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FRISHAUF, HOLTZ, GOODMAN & CHICK, PC  
767 THIRD AVENUE  
25TH FLOOR  
NEW YORK, NY 10017-2023

EXAMINER

CUMMING, WILLIAM D

ART UNIT	PAPER NUMBER
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2683

DATE MAILED: 05/17/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

09/890,641

Applicant(s)

BUSROPAN

Examiner

WILLIAM D CUMMING

Art Unit

2683

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 06 April 2005.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-5, 7-18 and 20 is/are rejected.
- 7) ☒ Claim(s) 6 and 19 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 31 July 2001 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

## DETAILED ACTION

### ***Allowable Subject Matter***

1. The indicated allowability of claims 1-20 is withdrawn in view of the newly discovered reference(s) to **Rhodes and Buhrmann, et al.** Rejections based on the newly cited reference(s) follow.
2. Claims 6 and 19 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
3. As allowable subject matter has been indicated, applicant's reply must either comply with all formal requirements or specifically traverse each requirement not complied with. See 37 CFR 1.111(b) and MPEP § 707.07(a).

### ***Drawings***

4. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the more fine meshed network as stated by claims 12 and 15 must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

5. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

6. The drawings are objected to because the boxes in figure 3 should be labeled other than just the reference number for better understanding the figure. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be

canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency.

Additional replacement sheets may be necessary to show the renumbering of the remaining figures. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

### ***Claim Rejections - 35 USC § 112***

7. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

8. Claims 12 and 15 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

The specification inadequately describes the claimed more fine meshed network as stated by claims 12 and 15. The "*written description*" of the invention required by first paragraph of 35 USC §112 is separate and distinct from that paragraph's requirement of enabling disclosure, since description must do more than merely provide explanation of how to "*make and use*" the invention.

Applicant must also convey, with reasonable clarity to those skilled in the art, that applicant, as of the filing date sought, was in possession of the invention, with the invention being, for purpose of "*written description*" inquiry, whatever is presently claimed. Drawings alone may, under proper circumstances, provide "*written description*" of the invention required by 35 USC §112, and whether the drawings are from design application or utility application is not determinative. In order to satisfy "*written description*" requirement of 35 USC §112, the proper test is whether drawings conveys, with reasonable clarity to those of ordinary skill in the art, the claim subject matter.

9. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

10. Claims 12 and 15 rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The term "more fine" in claims 12 and 15 is a relative term which renders the claim indefinite. The term "more fine" is not defined by the claim, the specification does not provide a standard for ascertaining the requisite degree, and one of ordinary skill in the art would not be reasonably apprised of the scope of the invention.

***Claim Rejections - 35 USC § 102***

11. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

12. Claims 1, 2, 4, 5, 7, 8, 17, and 18, as understood, are rejected under 35 U.S.C. 102(e) as being clearly anticipated by **Rhodes**.

**Rhodes** disclose a telecommunication system (figure 1) and method (figure 3) for access point dependent (figure 2) calculation of telecommunication rates (Abstract) comprising a telecommunication network (figure 1). A recording structure (#NETWORK NODE), a memory structure (#CDR) and processor structure (#206 & 205).

### ***Claim Rejections - 35 USC § 103***

13. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

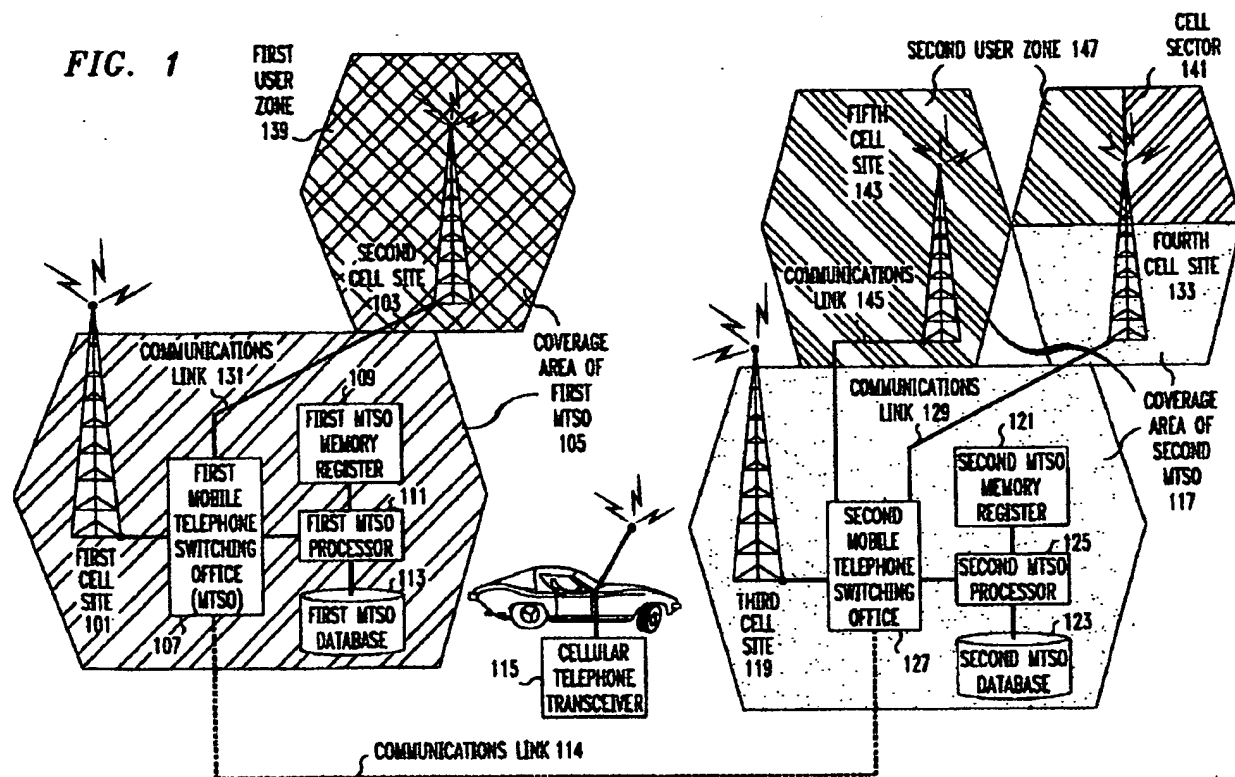
14. The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.



15. Claims 3, 9-16, and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over **Rhodes** in view of **Buhrmann, et al.**

**Rhodes** disclose all subject matter, note the above paragraph, except for a connection being arranged for receiving and recording connecting data on the use of access points of the different network. **Buhrmann, et al** teaches a use of a connection being arranged for receiving and recording connecting data on the use of access points (figure 1, #119, 133) of the different network (figure 1, #127) in a telecommunication system for the purpose of applying a first billing rate is applied to a cellular telephone situated within the user zone, and a second billing rate is applied to this cellular telephone when it is situated outside the user zone. Hence, it would have been obvious to one of ordinary skill in the art at the time the claimed invention was made to incorporate the use of a connection being arranged for receiving and recording connecting data on the use of access points of the different network, as taught by **Buhrmann, et al**, in the telecommunication system of **Rhodes** for the purpose of applying a first billing rate is applied to a cellular telephone situated within the user zone, and a second billing rate is applied to this cellular telephone when it is situated outside the user zone in order to for the billing rates specified by the service profile are customized for use at each of a plurality of specific locations.



### **Response to Amendment**

#### **16. Updated Notice of Centralized Delivery and Facsimile Transmission Policy for Patent Related Correspondence, and Exceptions Thereto**

On December 1, 2003, the United States Patent and Trademark Office (Office) established a "centralized delivery" policy for patent related correspondence to enable the Office to promptly scan the correspondence into the Office's image file wrapper (IFW) system. The "centralized delivery" policy requires most patent related correspondence to be: a) faxed to the central facsimile number ((703) 872-9306), b) hand carried or delivered to the Customer Service Window (now located at the Randolph Building, 401 Dulany Street, Alexandria, VA 22314), or c) mailed to the mailing address set forth in 37 CFR 1.1 (e.g., P.O. Box 1450, Alexandria, VA 22313-

1450).i The “*centralized delivery*” policy was revised in three follow-up notices. In order to provide further updated information, and to provide a single comprehensive statement of the Office’s current “*centralized delivery*” policy, this notice is issued. This notice replaces all prior Office notices specifying a specific fax number or hand carry address for certain patent related correspondence.

General “*Centralized Delivery*” Policy:

For patent related correspondence, hand carry deliveries must be made to the Customer Service Window, and facsimile transmissions must be sent to the central facsimile number ((703) 872-9306), unless an exception, as noted below, applies. Exceptions to the general policy of “*centralized delivery*” generally involve situations where special handling of the patent related correspondence is available. All the current exceptions are listed in this notice. Correspondence which is not related to a specific patent or patent application, such as a question on policy, on employment, or other general inquiry, is not covered by this notice. Below are two lists which set forth all the current exceptions to the “*centralized delivery*” policy. The first list covers the exceptions for certain hand carried items, and the second list covers the exceptions for certain facsimile transmitted items. Both lists reflect the relocation of most USPTO operations to the Alexandria, Virginia campus.

List I – Exceptions for Certain Hand Carried Correspondence Current exceptions:

Only the following types of correspondence may be delivered (hand-carried) to the specific location provided below instead of the Customer Service

Window. If correspondence listed below is carried to the Customer Service Window, the correspondence will be accepted and routed to the appropriate office.

1. Access Requests:

Requests for access to patent application files may continue to be hand carried to the File Information Unit (FIU) in Room 2E04, 2900 Crystal Drive (South Tower), Arlington VA 22202. Requests for access to patent application files that are maintained in the Image File Wrapper system and that have not yet been published may also be hand carried to the Public Search Facility on the 1st floor of the Madison East building, 600 Dulany Street, Alexandria VA 22314.

2. Patent Term Extensions under 35 U.S.C. § 156:

Patent term extension applications under 35 U.S.C. 156 (Hatch/Waxman) may be hand-carried to the Office of Patent Legal Administration (OPLA) in Room 07D85, 600 Dulany Street (Madison West building), Alexandria VA 22314. At the guard station in Madison West (near the elevators), the security guard should call the OPLA at either (571) 272-7744 or (571) 272-7746 for delivery assistance.

3. Assignments to be Recorded:

Assignments may be hand-carried to the Office of Public Records Customer Service Window on the 2nd floor of the South Tower building, 2900 Crystal Drive, Arlington VA 22202.

4. Office of General Counsel:

Correspondence for the Office of General Counsel may be hand-carried to the Office of General Counsel in Room 10C20, 600 Dulany Street (Madison East building), Alexandria VA 22314. At the guard station in Madison East (near the elevators), the security guard should call the Office of General Counsel at 571-272-7000 for delivery assistance.

5. Solicitor's Office:

Correspondence for the Solicitor's Office may be hand-carried to the Solicitor's Office in Room 8C43, 600 Dulany Street (Madison West building), Alexandria VA 22314. At the guard station in Madison West (near the elevators), the security guard should call the Solicitor's Office at 571-272-9035 for delivery assistance.

6. Interference related correspondence:

Correspondence relating to interferences may be hand-carried to the 1st floor lobby of Madison East building, 600 Dulany Street, Alexandria VA 22314, where a drop-off box for hand-carried documents to be filed with the Board of Patent Appeals and Interferences is located. Customers need to pass through the

magnetometer and have the materials passed through the x-ray sensors before placing them in the drop-off box. The drop-off box is for Interference related correspondence **ONLY**. Boxes are not permitted in the drop-off box. Boxed materials should be hand-carried to Madison East, Room 9B55-A using the following procedures. At either guard station (concourse level or 1st floor) in Madison East (near the elevators), the security guard should call the Board of Patent Appeals and Interferences at 571-272-9797 to obtain authorization to allow entry into the building for delivery to Room 9B55-A. Access to Room 9B55-A is available from 8:30 AM to 4:45 PM only. Documents/boxes hand-carried to the drop-off box or to Room 9B55-A after 4:45 PM (EST) will receive the next day's filing date. Customers desiring a stamped return receipt for their filing need to personally bring their filing and postcard to Room 9B55-A during the hours stated above, or leave the postcard with the filing (postcard must include correct postage mail stamp and the address where the postcard it to be mailed). The Board will stamp the filing date and mail the postcard to the customer.

7. Secrecy Order:

Applications subject to a secrecy order pursuant to 35 U.S.C. 181, or are national security classified, and correspondence related thereto, may be hand-carried to the Licensing and Review

location. See 37 CFR Secs. 5.1(c) and 5.2(c). Licensing and review is expected to relocate to the Alexandria campus on April 1, 2005. Effective April 1, 2005, the Licensing and Review location is:

Technology Center 3600, Room 4B31, 501 Dulany Street (Knox building), Alexandria VA 22314.

At the guard station in Knox (near the elevators), the security guard should call Licensing and Review at (571) 272-8203 for delivery assistance. Prior to April 1, 2005, the Licensing and Review location is:

Technology Center 3600, Office of the Director, 2451 Crystal Drive (Crystal Park 5 building), Room 3D07 Arlington, VA 22202.

8. Explicit Foreign Filing License Petitions:

Effective April 1, 2005, petitions for foreign filing license pursuant to 37 CFR 5.12(b) for which expedited handling is requested and petitions for retroactive license under 37 CFR 5.25, may be hand-carried to Licensing and Review in Room 4B41, 501 Dulany Street (Knox building), Alexandria VA 22314. At the guard station in Knox (near the elevators), the security guard should call Licensing and Review at (571) 272-8187 for delivery assistance.

9. Petitions to Withdraw from Issue:

Petitions to Withdraw from Issue may be hand carried to the Office of Petitions on the 7th floor of the Madison West building, 600 Dulany Street, Alexandria VA 22314. At the guard station in Madison West (near the elevators), the security guard should call the Office of Petitions at (571) 272-3282 for delivery assistance. Hand carried papers will be accepted between the hours of 8:30 a.m. until 3:45 p.m.

10. Documents requested by the Office of Patent

Publication:

Documents requested by the Office of Patent Publication may be hand carried to the Office of Patent Publication in Room 8A24, 2900 Crystal Drive (South Tower building), Arlington VA 22202, during business hours.

Elimination of certain previously authorized exceptions:

Hand carry delivery to a location other than the Customer Service Window is no longer permitted for the following types of correspondence:

(1) correspondence relating to PCT

international applications prior to national stage entry (35 U.S.C. 371) [Note: as of January 14, 2005, there no longer is a separate PCT Operations Customer Window];



(2) petitions for express abandonment to avoid publication under 37 CFR 1.138(c);

(3) requests to initiate, or related to on-going, ex parte or inter partes reexamination proceedings;

(4) design patent applications with a corresponding request for expedited examination under 37 CFR 1.155; and (5) correspondence for the Office of Enrollment and Discipline (OED).

List II -Exceptions for Certain Facsimile Transmitted Correspondence For each Office location listed below, only the particular type of correspondence indicated may be transmitted to the specific facsimile number at that Office location. All other types of facsimile transmitted correspondence must be sent to the central facsimile number ((703) 872-9306).

1. Office of Initial Patent Examination (OIPE) Request for corrected Filing Receipt:

(703) 746-9195 facsimile number

Response to Notice to File Missing Parts:

(703) 746-4060 facsimile number

Note: New applications, correspondence being submitted for the purpose of obtaining an application filing date, and color drawings may NOT be transmitted by facsimile. OIPE Customer Service telephone number: (703) 308-1202

2. PCT Operations and PCT Legal Administration Correspondence  
subsequent to filing in an international application before the U.S. Receiving  
Office, the U.S. International Searching Authority, or the U.S. International  
Examining Authority:

Papers in international applications:

(703) 305-3230 facsimile number

Response to Decisions on Petition:

(571) 273-0459 facsimile number

Note: An international application for patent or a copy of the international application and the basic national fee necessary to enter the national stage, as specified in 37 CFR 1.495(b), may NOT be submitted by facsimile. See 37 CFR 1.6(d)(3) (referencing 37 CFR 1.8(a)(2)(i)(D) and (F)). Subsequent correspondence may be transmitted by facsimile in an application before the U.S. Receiving Office, the U.S. International Searching Authority, or the U.S. International Examining Authority, but it will NOT receive the benefit of any certificate of transmission (or mailing). See 37 CFR 1.8(a)(2) (i)(E).

Correspondence during national stage, subsequent to entry, are handled in the same manner as a U.S. national application.

The PCT Help Desk:

(571) 273-0419 facsimile number (703) 305-3257 telephone  
number

3. Office of Patent Publication Payment of an issue fee and any required publication fee by authorization to charge a deposit account or credit card, and drawings:

(703) 746-4000 facsimile number

Note: Although submission of drawings by facsimile may reduce the quality of the drawings, the Office will generally print the drawings as received. Office of Patent Publication telephone numbers to check on receipt of payment: (703) 308-6789 or 1-888-786-0101

4. Office of Pre-Grant Publication Petitions for express abandonment to avoid publication under 37 CFR 1.138(c), and Requests for express abandonment under 37 CFR 1.138: (703) 305-8568 facsimile number

Pre-Grant Publication Division telephone number for questions relating to the publication of patent applications:

(703) 605-4283. Questions may also be directed by e-mail to [pgpub@uspto.gov](mailto:pgpub@uspto.gov).

5. Electronic Business Center (EBC) Requests for Customer Number Data Change (PTO/SB/124), and Requests for a Customer Number (PTO/SB/125):

(703) 308-2840 facsimile number.

Note: The EBC may also be reached by e-mail at: [ebc@uspto.gov](mailto:ebc@uspto.gov).

EBC telephone number for customer service and assistance:

(866) 217-9197

6. Assignment Branch Assignments or other documents affecting title:

(703) 306-5995 facsimile number

Note: Customers may submit documents directly into the automated Patent and Trademark Assignment System and receive the resulting recordation notice at their facsimile machine. (Assignment documents submitted through the Electronic Patent Assignment System also permits the recordation notice to be faxed to customers.) Credit card payments to record assignment documents are now accepted, and use of the Credit Card form (PTO-2038) is required for the credit card information to be separated from the assignment records. Only documents with an identified patent application or patent number, a single cover sheet to record a single type of transaction, and the fee paid by an authorization to charge a USPTO deposit account or credit card may be submitted via facsimile. Please refer to the USPTO Web Site, at <http://www.uspto.gov/web/offices/ac/ido/opr/ptasfax.pdf> for more information regarding the submission of assignment documents via facsimile.

Assignment Branch telephone number for assistance:

(703) 308-9723 7.

Central Reexamination Unit (CRU) *Inter partes* reexamination correspondence, except for the initial request: (571) 273-0100 facsimile number

Note: All *ex parte* reexamination correspondence, except for the initial request, may be sent by facsimile transmission to the central facsimile number. Correspondence related to reexamination proceedings will be separately scanned in the CRU.

CRU telephone number for customer service and inquiries: (571) 272-7705 8.

Board of Patent Appeals and Interferences Correspondence related to pending interferences permitted to be transmitted by facsimile (only where expressly authorized, see 37 CFR 1.6(d)(9)):

(571) 273-0042 facsimile number

Note: Correspondence should not be transmitted to this number if an interference has not yet been declared.

9. Office of the General Counsel Correspondence permitted to be transmitted to the Office of General Counsel:

(571) 273-0099 facsimile number

10. Office of the Solicitor Correspondence permitted to be transmitted by facsimile to the Office of the Solicitor:

(571) 273-0373 facsimile number

11. Licensing and Review Petitions for a foreign filing license pursuant to 37 CFR 5.12(b), including a petition for a foreign filing license where there is no corresponding U.S. application (37 CFR 5.13):

(571) 273-0185 facsimile number (if the fax is transmitted on or after April 1, 2005) (703) 305-7658 facsimile number (if the fax is transmitted prior to April 1, 2005)

Note: Correspondence to be filed in a patent application subject to a secrecy order under 37 CFR Sec. 5.1 through 5.5 and directly related to the

secrecy order content of the application may **NOT** be transmitted via facsimile.

See 37 CFR Sec. 1.6(d)(6).

12. Office of Petitions Petitions to Withdraw from Issue:

(571) 273-0025 facsimile number

Note: All other types of petitions must be directed to the Central Facsimile Number ((703) 872-9306). Any paper other than a Petition to Withdraw from Issue which is sent to the Office of Petitions fax number (instead of the Central Facsimile Number) will be discarded. Petitions sent to the Central Facsimile Number should be marked "Special Processing Submission".

Questions regarding this notice may be e-mailed to **PatentPractice@uspto.gov**, or directed to the Inventors' Assistance Center by telephone at (800)786-9199, or (703)308-4357. \_\_\_\_3/2/05\_\_\_\_

**17. Termination of the Waiver of Provisions of 37 CFR 1.8 and 1.10 for Correspondence Intended for the United States Patent and Trademark Office but Addressed to Washington, DC 20231**

Effective on April 4, 2005, the provisions of 37 CFR 1.8 (Certificate of Mailing) and 1.10 ("Express Mail") will no longer be waived for correspondence addressed to the United States Patent and Trademark Office (USPTO), Washington, DC 20231. On May 1, 2003, the USPTO changed its address for certain correspondence to P.O. Box 1450, Alexandria, VA 22313-1450. See 37 CFR 1.1 and *Correspondence with the United States Patent and Trademark Office*, 68 Fed. Reg. 14332 (March 25, 2003), 1269 *Off. Gaz. Pat. Office* 159 (Apr. 22, 2003). To allow applicants time to become accustomed to the new address in Alexandria, VA, the USPTO waived the provisions of 37 CFR 1.8 and 1.10 such that correspondence addressed to Washington, DC 20231 would be treated as acceptable under 37 CFR 1.8 and 1.10 for otherwise compliant Certificates of Mailing and "Express Mail." The United States Postal Service (USPS) has ceased forwarding to the USPTO correspondence addressed to Washington, DC 20231. Additionally, the USPTO will no longer arrange for the delivery to Alexandria, VA of correspondence addressed to Washington, DC 20231 after April 3, 2005. Thus, after April 3, 2005, all correspondence addressed to the Washington, DC 20231 address will be returned to sender marked by the USPS as undeliverable. Such mail returned to the sender by the USPS will not be considered proof of prior filing or mailing under 37 CFR 1.8(b) or 1.10(e) since the correspondence was not mailed in accordance with 37 CFR

1.1. Pursuant to 37 CFR 1.1, correspondence intended for the USPTO must be mailed to P.O. Box 1450, Alexandria, VA 22313-1450, except as otherwise provided.

1. Correspondence intended for the USPTO, unless directed otherwise, must be addressed to: Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450

2. Correspondence in patent-related matters to organizations reporting to the Commissioner for Patents must be addressed to: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

3. Correspondence in trademark-related matters, except documents sent to the Assignment Services Division for recordation, requests for copies of trademark documents, and documents directed to the Madrid Processing Unit, must be addressed to: Commissioner for Trademarks P.O. Box 1451 Alexandria, VA 22313-1451

The above addresses are the USPTO's three general mailing addresses for mail delivered by the USPS; however, the USPTO has separate mailing addresses for certain correspondence as set forth in the notice titled "*Mailing and Hand Carry Addresses for Mail to the United States Patent and Trademark Office*" (formerly, "*Special Mail Stops For Patent Mail*") that is published each week in the Official Gazette Notices and posted on the USPTO Internet web site. Questions regarding this notice may be e-mailed to PatentPractice@uspto.gov, or directed to the Inventors' Assistance Center (formerly the Patent Assistance Center (PAC)) by telephone at 800-786-9199 or 703-308-4357. Date:       3/1/05



### **Response to Arguments**

18. Applicant's arguments filed December 29, 2004 have been fully considered but they are not persuasive.

Applicant's attorney refused to correct figure 3, stating the MPEP §1893.03 (f) permits to ignore the Examiner objections. But applicant's attorney, for some reason, only stated a partial statement of the MPEP §1893.03 (f). The full reading of MPEP §1893.03 (f) states:

*"The drawings for the national stage application must comply with **PCT Rule 11**. The copy of the drawings provided by the International Bureau has already been checked and should be in compliance with **PCT Rule 11**. Accordingly, the drawing provided by the International Bureau (see MPEP § 1893.03(e)) should be acceptable. The USPTO may not impose requirements beyond those imposed by the Patent Cooperation Treaty (e.g., **PCT Rule 11**). **However, the examiner does have the authority to require new drawings if the drawings were published without meeting all requirements under the PCT for drawings.**"*

Regarding, **11.11 Words in Drawings - Patent Cooperation Treaty**

*"(a) The drawings shall not contain text matter, except a single word or words, when absolutely indispensable, such as "water," "steam," "open," "closed," "section on AB," and, in the case of electric circuits and block schematic or flow sheet diagrams, a few short catchwords indispensable for understanding."*

The Examiner has determined that figure 3 is a block schematic and these blocks need to be labeled what they are because it is indispensable for understanding of the claimed invention.

Also the Examiner has taken Applicant's attorney's disregarding the last sentence of MPEP §1893.03 (f) was an unintentional oversight.

### ***Conclusion***

19. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

**Cain, et al** disclose a system and method adapted to provide microcellular Personal Communications Services (PCS) through the use of an improved Distributed Radio Port Controller (DRPC) architecture. The architecture achieves the desired handover with minimal impact on the existing embedded base of switches by generating new calls from target Radio Port Controllers (RPCs) through the switches to anchor RPCs and internally bridging bearer channels without the knowledge of the switches. The system includes a Home Location Register (HLR) for storing and providing subscription data and keeping track of where the mobile terminals are registered in order to deliver calls. A PCS# database is also utilized for storing a list of Universal Personal Telephone (UPT) numbers which have been assigned to the PCS subscribers. The PCS# database is operable to map these UPT numbers to the locations of their corresponding HLR. The system further includes a Service Control Point (SCP)

which is provided in electrical communication with the switch, the HLR, and the PCS# database and which is operable to query the HLR for routing information and provide the received response to the switch.

**Gray, et al** show a cellular telecommunication system (CTS) is provided that supports the operation of a radiotelephone (RT) in cellular and cordless modes. The CTS includes operating features that are dependent upon the intrasystem location of the RT. The CTS includes a mobile telephone switching office, a plurality of land stations, a plurality of cells, a plurality of zones defined by one or more cells, a plurality of local regions defined by one or more cells, and a cordless base station located within one of the cells. The land stations transmit zone identification (ZNID) signals and local region identification (LRID) signals, which the RT receives and compares to one or more ZNID codes and one or more LRID codes, respectively. The RT displays its intrasystem billing zone location and initiates communication with the cordless base station in response to the received ZNID and LRID signals, respectively.

**20. Replacement Notice: Copies of Patent Application Records will be Provided in both Electronic and Paper Form**

The Official Gazette notice, published on August 24, 2004 entitled "*All Electronic Copies of Patent Application Records Will Now Be Provided as Certified Copies in Electronic Form*" (1285 Off. Gaz. Pat. Off, August 24, 2004) is hereby rescinded. The USPTO is reinstating, until further notice, the procedures in effect prior to July 30, 2004 for providing certified copies of patent application records with paper certification statements. The USPTO will also offer electronic certified copies of patent application records at the requester's option.

### **Certified Copies with Paper Certification**

Unless otherwise requested, certified copies of patent application records provided pursuant to 37 CFR 1.19 (b) will be produced with a paper certification statement, continuing the practice in effect prior to July 30, 2004. The certification statement will include an embossed seal and original signature.

### **Certified Copies with Electronic Certification**

Customers ordering certified copies of patent applications as filed or patent-related file wrapper and contents of published applications from the USPTO website will have the option to choose electronic copies with electronic certification. These files include an imaged certification statement as part of a PDF file containing the document TIFF images. These electronic files are digitally signed by the USPTO for authenticity and integrity, and cannot be undetectably modified. Customers may choose to download these electronic files from the USPTO website or receive them on compact disc.

### **Paris Convention for the Protection of Industrial Property and Priority**

Irrespective of whether the USPTO provides a paper certified copy or an electronic certified copy, Article 4(d)(3) of the Paris Convention prohibits any country that is a member of the convention from requiring further authentication of the certified copy for purposes of claiming priority under the Paris Convention. (The text of the Paris Convention and a list of its members are available at [www.wipo.int/treaties/en/ip/paris/index.html](http://www.wipo.int/treaties/en/ip/paris/index.html).)

The USPTO is working with other intellectual property offices to encourage the acceptance of priority documents in electronic form with electronic certification. A list of offices and international intellectual property organizations that have agreed to accept electronic certified copies will be posted on the USPTO website soon, and updated regularly.

Questions should be directed to the Office of Public Records by email to [opr@uspto.gov](mailto:opr@uspto.gov) or by telephone at (703) 308-9743.

21. If applicants wish to request for an interview, an *"Applicant Initiated Interview Request"* form (PTOL-413A) should be submitted to the examiner prior to the interview in order to permit the examiner to prepare in advance for the interview and to focus on the issues to be discussed. This form should identify the participants of the interview, the proposed date of the interview, whether the interview will be personal, telephonic, or video conference, and should include a brief description of the issues to be discussed. A copy of the completed *"Applicant Initiated Interview Request"* form should be attached to the Interview Summary form, PTOL-413 at the completion of the interview and a copy should be given to applicant or applicant's representative.

## **22. USPTO to Provide Electronic Access to Cited U.S. Patent References with Office Actions and Cease Supplying Paper Copies**

### **Summary**

In support of its 21st Century Strategic Plan goal of increased patent e-Government, beginning in June 2004, the United States Patent and Trademark Office (Office or USPTO) will begin the phase-in of its E-Patent Reference program and hence will: (1) provide downloading capability of the U.S. patents and U.S. patent application publications cited in Office actions via the E-Patent Reference feature of the Office's Patent Application Information Retrieval (PAIR) system; and (2) cease mailing paper copies of U.S. patents and U.S. patent application publications with office actions except for citations made during the international stage of an international application under the Patent Cooperation Treaty (PCT). In order to use the new E-Patent Reference feature applicants must: (1) obtain a digital certificate and software from the Office; (2) obtain a customer number from the Office; and (3) properly associate patent applications with the customer number. Alternatively, copies of all U.S. patents and U.S. patent application publications can be accessed without a digital certificate from the USPTO web site, from the USPTO Office of Public

Records, and from commercial sources. The Office will continue the practice of supplying paper copies of foreign patent documents and non-patent literature with Office actions. Paper copies of cited references will continue to be provided by the USPTO for international applications under the PCT during the international stage.

### Deployment of E-Patent Reference System

The USPTO will deploy the full E-Patent Reference program starting in June of 2004. In accordance with the schedule shown below, paper copies of cited U.S. patents and U.S. patent application publications will cease to be mailed to applicants with Office actions in the indicated Technology Centers (TCs). Paper copies of foreign patents and non-patent literature will continue to be included with office actions.

#### Schedule

June 2004 TCs 1600, 1700, 2800 and 2900

July 2004 TCs 3600 and 3700

**August 2004 TCs 2100 and 2600**

### Description of E-Patent Reference System

On December 1, 2003, the Office made available a new feature in the Office's Private PAIR system, E-Patent Reference, to allow convenient downloading and printing of cited U.S. patents and U.S. patent application publications. A notice announcing this system was published in the Official Gazette, (see Notice of Office Plan to Cease Supplying Copies of Cited U.S. Patent References With Office Actions, and Pilot to Evaluate The Alternative of Providing Electronic Access to Such U.S. Patent References, 1277 Off. Gaz. Pat. Office 156 (Dec. 23, 2003)). The same notice also announced the Office's future plan to cease supplying copies of cited U.S. patents and patent application publications with Office actions.

The E-Patent Reference system allows an authorized user of Private PAIR to download the U.S. patents and U.S. patent application publications cited on a form PTO-892 in Office actions, as well as U.S. patents and U.S. patent application publications submitted by applicants as part of an information disclosure statement (IDS) on form PTO/SB/08 (1449). The retrieval of some or all of the documents is

performed in one downloading step with each of the documents encoded as Adobe Portable Document format (.pdf) files.

The E-Patent Reference system was used by applicants during a pilot program in December 2003 and January 2004. In response to some technical issues discovered by users, changes to make the system more compatible with users' firewalls and office systems were made during the pilot.

Consequently, applicants should expect to start receiving Office actions (in patent applications and during patent reexamination proceedings) without paper copies of cited U.S. patents and U.S. patent application publications in accordance with the schedule above. These documents will be available through the E-Patent Reference system for downloading using Private PAIR. Foreign patents and non-patent literature will continue to be provided to the applicant on paper. Communications from the Office during the international stage of an international application under the PCT will continue to include paper copies of all references, including U.S. patents and U.S. patent application publications.

In summary, all U.S. patents and patent application publications are available on the USPTO web site, from the Office of Public Records and from commercial sources. Additionally, a simple system for downloading the cited U.S. patents and patent application publications has been established for applicants, called the E-Patent Reference system. As E-Patent Reference and Private PAIR require participating applicants to have a customer number, retrieval software and a digital certificate, all applicants are strongly encouraged to contact the Patent Electronic Business Center to acquire these items. To be ready to use this system by June 1, 2004, contact the Patent EBC as soon as possible.

#### Steps to Use the E-Patent Reference Feature

Access to Private PAIR is required to utilize E-Patent Reference. If you do not already have access to Private PAIR, the Office urges practitioners and applicants not represented by a practitioner to: (1) obtain a no-cost USPTO Public Key Infrastructure (PKI) digital certificate; (2) obtain a USPTO customer number; (3) associate all of their pending and new application filings with their customer number; (4) install free software (supplied by the Office) required to access Private PAIR and the E-Patent Reference; and (5) make appropriate arrangements for Internet access.

Instructions for performing the 5 steps:

Step 1: Full instructions for obtaining a PKI digital certificate are available at the Office's Electronic Business Center (EBC) web page at: <http://www.uspto.gov/ebc/downloads.html>. Note that a notarized signature will be required to obtain a digital certificate.

Step 2: To get a Customer Number, download and complete the Customer Number Request form, PTO-SB/125, at: <http://www.uspto.gov/web/forms/sb0125.pdf>. The completed form can then be transmitted by facsimile to the Patent Electronic Business Center at (703) 308-2840, or mailed to the address on the form. If you are a registered attorney or agent, then your registration number must be associated with your customer number. This association is accomplished by adding your registration number to the Customer Number Request form.

Step 3: A description of associating a customer number with the correspondence address of an application is described at the EBC Web page at: [http://www.uspto.gov/ebc/registration\\_pair.html](http://www.uspto.gov/ebc/registration_pair.html).

Step 4: The software for electronic filing is available for downloading at [www.uspto.gov/ebc](http://www.uspto.gov/ebc). Users can also contact the EFS Help Desk at (703) 305-3028 and request a copy of the software on compact disc. Users will also need Adobe Acrobat Reader, which is available through a link from the USPTO web site.

Step 5: Internet access will be required which applicants may obtain through a supplier of their own choice. As images of large documents must be downloaded, high-speed Internet access is recommended.

The E-Patent Reference feature is accessed using a button on the Private PAIR screen. Ordinarily all of the cited U.S. patent and U.S. patent application publication references will be available over the Internet using the Office's new E-Patent Reference feature. The size of the references to be downloaded will be displayed by E-Patent Reference so the download time can be estimated. Applicants and registered practitioners can select to download all of the references or any combination of cited references. Selected references will be downloaded as complete documents in the Portable Document Format



(.pdf). The downloaded documents can be viewed and printed using Adobe's Acrobat Reader program and other software.

### Other Options

The E-Patent Reference function requires the applicant to use the secure Private PAIR system, which establishes confidential communications with the applicant. Applicants using this facility must receive a digital certificate, as described above. Other options for obtaining patents which do not require the digital certificate include the USPTO's free Patents on the Web program (<http://www.uspto.gov/patft/index.html>). The USPTO's Office of Public Records also supplies copies of patents and patent application publications for a fee (<http://ebiz1.uspto.gov/oems25p/index.html>). Commercial sources also provide patents and patent application publications.

Section 707.05(a) of the Manual of Patent Examining Procedure, which currently provides that copies of cited references are in general automatically furnished without charge to applicant together with the Office action in which they are cited, will be revised in due course for consistency with the practice announced in this notice.

### Comments

The Office published a notice announcing its plan to cease supplying copies of cited U.S. patent references with Office actions, (see Notice of Office Plan to Cease Supplying Copies of Cited U.S. Patent References With Office Actions, and Pilot to Evaluate The Alternative of Providing Electronic Access to Such U.S. Patent References, 1277 Off. Gaz. Pat. Office 156 (Dec. 23, 2003)). The Office received numerous comments in response to this notice. A summary of representative comments and the Office's responses to the comment, grouped by topics, follows:

Comment 1: The requirement to use the Office's customer number/digital certificate shifts the responsibility of producing paper copies to the applicant. A number of comments indicated that adopting the proposal would result in an increased responsibility for the applicant, as the applicant or applicant's representative would be required to print the references.

Response: The USPTO is implementing the E-Patent Reference program as part of the Office's e-Government initiative and

to align funding priorities to the Patent Initiatives, including the hiring of examiners. Applicants can purchase copies of U.S. patents and patent application publications from a variety of vendors if they choose not to print copies through the E-Patent Reference system.

The USPTO is moving toward electronic filing and processing of both patent applications and trademark applications. The policy announced in this notice is simply a step towards a more fully automated patent examination process. By analogy, briefs and court opinions that include case citations do not include paper copies of the cited cases. Rather, the cited cases are available via books or electronic databases. Similarly, the USPTO will no longer provide paper copies of U.S. patents and patent application publications since they are available electronically free of charge. Finally, this change will avoid duplication and waste since an applicant may not need to print out every page of a cited U.S. patent or patent application publication.

Comment 2: Adopting the proposal would hurt the solo practitioners and pro se applicants the most, which is unfair.

Response: The solo practitioners and pro se applicants have the same electronic access as the larger firms and corporations, available instantaneously over the Internet. If a solo practitioner or a pro se applicant chooses not to print copies of U.S. patents and patent applications publications through the USPTO Patents on the Web system or through the E-Patent Reference system, commercial sources that provide patents very quickly and inexpensively are available, and copies of U.S. patents and patent application publications are also available at the Patent and Trademark Depository Libraries (PTDLs). Additionally, the cost of patents if ordered from the USPTO Office of Public Records is very reasonable (\$3).

Comment 3: Some applicants indicated that the service is reliable and quick, and consistent with the electronic commerce initiatives in their law firms and businesses.

Response: As pointed out by some respondents, electronic copies of the references are very usable, available without mail delays, and capable of being sent to clients, other attorneys and experts by electronic means.

Comment 4: The statute 35 USC Sec. 132 requires the

Office when sending a rejection to state the reasons "together with such information and references as may be useful in judging of the propriety of continuing the prosecution of his application".

Response: The requirement that an Office action contain "such information and references as may be useful in judging of the propriety of continuing the prosecution of his application" was added to the patent laws in the Patent Act of 1870. The circumstances surrounding this provision reveal that it requires that an Office action identify the prior inventions or patents that are relied upon in making a rejection, not that it requires that an Office action be accompanied by copies of the cited references. The USPTO did not even begin providing copies of cited references with Office actions until 1965, when 35 U.S.C. Sec. 41 was amended to authorize (but not require) the USPTO to provide copies of patents cited in Office actions without charge. See 35 U.S.C. Sec. 41(e) ("[t]he Director may provide any applicant issued a notice under [35 U.S.C. Sec. 132] with a copy of the specifications and drawings for all patents referred to in that notice without charge") (emphasis added). Nevertheless, the Office will provide access to U.S. patents and patent application publications, albeit not in paper form.

Comment 5: A number of users suggested that the Office provide paper references at an extra cost.

Response: The Office of Public Records does offer that service, at a reasonable cost, and it is available through a number of delivery channels. See 37 CFR 1.19 (a). Commercial services also provide U.S. reference documents, in person, by mail, and over the Internet.

Comment 6: Some comments indicated that the length of the pilot should have been expanded.

Response: E-Patent Reference system will continue through the end of May to allow applicants to become familiar with E-Patent Reference and to be sure all technical concerns are addressed.

#### For Further Information Contact

Questions concerning the E-Patent Reference feature and questions concerning the operation of the PAIR system should be directed to the Patent EBC at the USPTO at (866) 217-9197. The EBC may also be contacted by facsimile at (703) 308-2840 or by e-mail at

EBC@uspto.gov. Questions about this notice may be directed to Jay Lucas, at Jay.Lucas@uspto.gov and Rob Clarke, at Robert.Clarke@uspto.gov. OG Notices: 18 May 2004

### **23. Consolidated Appropriations Act, 2005 enacted on December 8, 2004**

H.R. 4818, the Consolidated Appropriations Act, 2005 (Consolidated Appropriations Act) was signed by President George W. Bush and enacted into law on December 8, 2004. The Consolidated Appropriations Act revises certain patent application and maintenance fees; provides separate fees for a basic filing fee, a search fee, and an examination fee; and requires an additional fee for any patent application whose specification and drawings exceed 100 sheets of paper (application size fee). The new patent fees are now effective and will remain in effect during the remainder of fiscal year 2005 and during fiscal year 2006. The patent maintenance fee changes apply to any maintenance fee payment made on or after December 8, 2004, regardless of the filing or issue date of the patent for which the fee is submitted. The revised maintenance fees took effect on December 8, 2004. Thus, any maintenance fee paid at any time on (or after) December 8, 2004 is subject to the revised maintenance fee amounts set forth in the Consolidated Appropriations Act.

**Note: If you are paying via the USPTO's Internet Web site, there will likely be a delay in updating the maintenance-fee information on the USPTO's Office of Finance On-Line Shopping Web page. Therefore, if paying on-line, please refer to the updated fee schedule to ensure that you include the appropriate updated fee amount. Maintenance fees must be timely paid in the appropriate amount to avoid expiration of a patent.**

The new basic filing fee (or national fee), search fee, examination fee, and application size fee apply to national patent applications (other than provisional applications) filed on or after December 8, 2004, and to international patent applications in which the basic national fee is paid on or after December 8, 2004. The new provisional application filing fee applies to any provisional application filing fee paid on or after December 8, 2004. The filing fee (or national fee), search fee, and examination fee are due on filing. If the filing fee (or national fee) is paid on filing, but the search fee and/or examination fee is missing, the USPTO will issue a notice requiring that any missing search fee and examination fee (but no surcharge until further notice) be paid within a specified period of time in order to avoid abandonment. Thus, if at least the full basic filing fee under the Consolidated Appropriations Act is paid on or after December 8, 2004, the USPTO will issue a notice requiring any balance of the search fee and the examination fee (but no surcharge).

The remaining patent application fee changes, including the excess claims fees, extension of time fees, and appeal fees, apply to any fee payment made on or after December 8, 2004, regardless of the filing date of the application for which the fee is submitted.

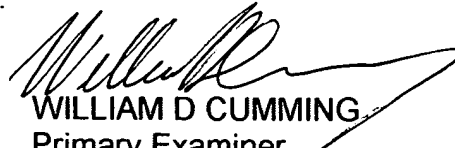
USPTO customers should monitor the USPTO's Internet Web site frequently for current patent fee information.

Payments from foreign countries must be payable and immediately negotiable in the United States for the full amount of the fee required.

24. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **WILLIAM D CUMMING** whose telephone number is 571-272-7861. The examiner can normally be reached on Tuesday & Wednesday, 10:30am to 8:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Trost can be reached on 571-272-7872. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
WILLIAM D CUMMING  
Primary Examiner  
Art Unit 2683

Wdc



UNITED STATES  
PATENT AND  
TRADEMARK OFFICE

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